

April 28, 2004

**2025 Lincoln Area Street and Roadway Improvements  
New Studies and Completed Projects**

<b>Applicant</b>	<b>Location</b>	<b>Proposal</b>
Public Works and Utilities	Highway 2 corridor from 9 <sup>th</sup> Street to the 56 <sup>th</sup> Street and Old Cheney Road intersection, the area of 98 <sup>th</sup> Street and Highway 2, and various other locations throughout the planning area	Add a Highway 2 corridor study from 9 <sup>th</sup> Street to the 56 <sup>th</sup> Street and Old Cheney Road intersection, add an area study in the vicinity of 98 <sup>th</sup> Street and Highway 2, and update the 2025 Streets and Roadways Improvement map in regards to various completed projects
<b>Recommendation:</b> Approval		

*Status/Description*

The Public Works and Utilities Department supports and has requested various updates and additions to the **Lincoln Area Street and Roadway Improvement 2025** map and related text in the Mobility and Transportation element of the Comprehensive Plan. Updates to the Comprehensive Plan regarding completed projects and studies is proposed to make the Plan more accurate and informative.

The following is a listing of the specific amendments proposed for the Lincoln Area Street and Road Improvements 2025 map and related text. The listing includes two (2) new studies and updated information for completed studies and projects as follows:

- Completed Street Segments:
  - ▶ East “O” Street, 52<sup>nd</sup> Street to Wedgewood Drive
  - ▶ Old Cheney Road, Highway 2 to 70<sup>th</sup> Street
  - ▶ NW 27<sup>th</sup> Street Half Interchange
- Completed Studies:
  - ▶ North 48<sup>th</sup> Street Study (Public Works Study with Urban Development)
- New Transportation Studies:
  - ▶ Highway 2 Corridor Study, Extending from 9<sup>th</sup>/10<sup>th</sup> & VanDorn to 56<sup>th</sup> Street and Old Cheney Road
  - ▶ 98<sup>th</sup> Street and Highway 2 Area Study

The completed street segment projects and the completed study project are identified in the attached map along with the two proposed transportation studies. The two new transportation studies to be added to the Lincoln Area Street and Road Improvements 2025 map and related text are identified as follows:

The **Highway 2 Corridor Study** is to include the segment of Highway 2 from 9<sup>th</sup>/10<sup>th</sup> & VanDorn Streets to the 56<sup>th</sup> and Old Cheney Road intersection area. This study will be divided into phases, or segments, to accommodate a detailed evaluation of the transportation system for safety, operational and capacity issues, and intersections needs. Critical operational and design deficiencies will be identified and improvements will be recommended. Rail, pedestrian and bicycle issues and facility connections within the corridor will be addressed as part of the study.

The **98<sup>th</sup> Street and Highway 2 Area Study** will look at the general area from the Village of Cheney and Yankee Hill Road on the south to Pine Lake Road on the north, along with connections between and including 91<sup>st</sup> and 98<sup>th</sup> Streets. The study will evaluate the roadway network including internal roadway connections and intersections. Key issues to be addressed are the roadway connections to 98<sup>th</sup> Street, Yankee Hill Road, and Highway 2, railroad crossing safety, and access to the Village of Cheney and the developing commercial areas. A detailed evaluation will be completed for safety, intersection operations and design, and system functionality and capacity issues. Roadway connections and design layouts will be identified and system improvements will be recommended. Pedestrian and bicycle issues, including facility connections within this area and crossing Highway 2, will be addressed as part of the study.

### Comprehensive Plan Implications

The Comprehensive Plan indicates that Nebraska Highway 2 is a major existing link on the urban street network. This diagonal roadway carries significant traffic volumes today and is projected to remain as the busiest thoroughfare along the city's southern tier. On page F111, the need for corridor preservation of the Highway 2 corridor is highlighted as a high priority. With its ultimate planned connection to the South Beltway, this corridor is and will continue to be of high importance to the development of Lincoln. As such, it is very important to plan as accurately as possible the current and future needs of Highway 2 where it traverses the Lincoln area. The two proposed studies that are part of this amendment intend to address the needs of this most important corridor so that the needs of Lincoln are met today and in the future.

In addition, the Comprehensive Plan highlights many principles and objectives in regard to transportation on page F87. Many of these principles and objectives relate to and will be addressed by the two proposed studies in this amendment. They are as follow:

*"A Connected City. In Lincoln and Lancaster County, the unifying qualities of transportation will be emphasized. The transportation network will sustain the One Community concept by linking neighborhoods together. Neighborhoods, activity and*

*employment centers, rural communities, and open lands will be connected by a continuous network of public ways.*

*A Balanced Transportation System. Transportation planning in Lincoln will be guided by the principle of balancing needs and expectations. It will recognize that transportation is a means to the goal of a unified, liveable, and economically strong community, and not an end in itself. Thus, the system will effectively move people and goods around the community, while minimizing impacts on established neighborhoods and investments. The concept of balance also applies to methods of transportation. While the system must function well for motor vehicles, it should also establish public transportation, bicycling, and walking as realistic alternatives now and in the future.*

*Planning as a Process. Transportation planning is a dynamic process, responding to such factors as community growth, development directions, and social and lifestyle changes. Therefore, the Comprehensive Plan should also establish an ongoing process that responds to these changes.*

*Developing a balanced transportation system that meets the mobility needs of the community and supports Lincoln and Lancaster County's land use projections and plan.*

*Using the existing transportation system to its best advantage.*

*Designing a street and road improvement program that is both physically attractive and sensitive to the environments of urban neighborhoods.*

*Maximizing the safe and efficient movement of railroad traffic, while minimizing street conflicts and reducing the creation of barriers by rail corridors."*

Comprehensive Plan#04018 includes an amendment to the "Southeast Lincoln/Highway 2 Subarea Plan" in regards to providing access to Cheney from 91<sup>st</sup> Street south of Highway 2 and closing Yankee Hill Road west of 91<sup>st</sup> Street. The issues involved with that amendment are related to the proposed study of the 98<sup>th</sup> Street and Highway 2 area in this amendment.

### Conclusion

This amendment meets the principles and objectives of the Comprehensive Plan. Specifically, by proposing two studies along the Highway 2 corridor, one from 9<sup>th</sup> Street to the 56<sup>th</sup> Street and Old Cheney Road area, and the other in the area of 98<sup>th</sup> Street and Highway 2, this amendment will identify the most appropriate improvements for the community in relation to safety concerns, motor vehicle capacity, effective roadway network alignment, access to development, railway conflicts, and bicycle and pedestrian needs.

A map change to the **Lincoln Area Street and Road Improvements 2025** map on page F105 from the Mobility and Transportation element of the Comprehensive Plan is required for this amendment. A map is attached to this report to indicate the map changes necessary.

Also needed will be particular text changes to pages F109 and F111 to update the Comprehensive Plan so that it indicates a fully completed project that is part of this amendment, as well as add the 2 proposed studies included in this amendment.

Amend the Comprehensive Plan as follows:

1. Amend the **Lincoln Area Street and Road Improvements 2025** map on page F105 to indicate the proposed updates and additions to the Comprehensive Plan as follow:
  1. Remove the completed half interchange project designation at US 34 and NW 27<sup>th</sup> Street
  2. Remove the completed “Study” indicator for the North 48<sup>th</sup> Street Study
  3. Remove the completed 6 lanes + turn lanes indicator on “O” Street from 52<sup>nd</sup> Street to Wedgewood Drive
  4. Remove the completed 4 lanes + turn lanes indicator on Old Cheney Road from Highway 2 to 70<sup>th</sup> Street
  5. Add a new corridor study indicator along Highway 2 from 9<sup>th</sup> Street to the 56<sup>th</sup> Street and Old Cheney Road area
  6. Add a new study area in the vicinity of 98<sup>th</sup> Street and Highway 2
2. Amend the text of the Mobility and Transportation element of the Comprehensive Plan on pages F109 and F111 to indicate a fully completed project that is part of this amendment, as well as add the 2 proposed studies included in this amendment.

**Page F109**

Remove from the list of Committed Projects the following:

- ~~“O” Street, 52<sup>nd</sup> Street to Wedgewood Dr. 6 lanes + turn lanes~~

Change the list of Committed Projects in the following manner:

- *Old Cheney Road, Nebraska Hwy 2 70<sup>th</sup> St. to 84<sup>th</sup> St. 4 lanes + turn lanes*

**Page F111**

Add to the list of Proposed Studies the following:

- *Highway 2 Corridor Study from 9<sup>th</sup> Street to 56<sup>th</sup> Street and Old Cheney Road Area*
- *98<sup>th</sup> Street and Highway 2 Area Study*

Prepared By:

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